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AMENDMENTS TO THE CLAIMS

1. (Withdrawn) A method for producing a porous film according to claim 4, comprising the steps of casting a polymer solution comprising a polymer onto a substrate to form a film; and subjecting the film to phase conversion to thereby form a porous film, wherein the polymer constituting the porous film has a surface tension Sa [mN/m], wherein the substrate has a surface tension Sb [mN/m], and wherein Sa and Sb satisfy the following condition: Sa-Sb≥-10.

- 2. (Withdrawn) The method for producing a porous film according to claim 1, further comprising the steps of casting a solution mixture as the polymer solution onto the substrate to form a film, and subjecting the film to phase conversion by bringing the film to a solidifying liquid to thereby form a porous film, the solution mixture comprising 8 to 25 percent by weight of a polymer component for constituting the porous film, 10 to 50 percent by weight of a water-soluble polymer, 0 to 10 percent by weight of water and 30 to 82 percent by weight of a water-soluble polar solvent.
- 3. (Withdrawn) The method for producing a porous film according to one of claims 1 and 2, further comprising the steps of holding the cast film in an atmosphere at a relative humidity of 70% to 100% and a temperature of 15°C to 90°C for 0.2 to 15 minutes, and bringing the film to a solidifying liquid comprising a nonsolvent for the polymer component.
- 4. (Currently Amended) A porous film having a number of continuous micropores, wherein the film has a thickness of 5 to 200 μ m, has an average surface pore size A of [[0.7]] <u>0.1</u> to 10 µm and an average surface porosity C of from 50% to 80% and has an average inside pore size B and an average inside porosity D,

wherein the ratio A/B of A to B is in the range of 0.3 to 3,

wherein a maximum surface pore size is 15 µm or less; the ratio A¹/A² of an average pore size at one surface A¹ to an average pore size at the other surface A² is from 0.6 to 1.5, a maximum inside pore size is 5.1 µm or less; the average surface porosity C has an average porosity C¹ of from 50% to 80% 48% or more at one surface and an average porosity C² of from 50% to 80% 48% or more at the other surface; the average inside porosity D is from 45% to

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80%; and the ratio C/D of C to D is in the range of 0.7 to 1.5, and the ratio C^{1}/C^{2} of C^{1} to C^{2} is in the range of 0.7 to 1.5,

wherein a polymer component forming the film comprises at least one selected from a group of amide-imide polymers, imide polymers, polyethersulfones, polysulfones, acrylic polymers or cellulose acetate,

wherein a Gurley permeability of the porous film is from 0.2 to 29 seconds per 100 cc, and

wherein the porous film is produced in a method comprising the steps of casting a polymer solution comprising a polymer onto a substrate to form a film; and subjecting the film to phase conversion to thereby form a porous film, wherein the polymer constituting the porous film has a surface tension Sa [mN/m], wherein the substrate has a surface tension Sb [mN/m], and wherein Sa and Sb satisfy the following condition: Sa-Sb≥-10.

5. (Currently Amended) A porous film having a number of continuous micropores,

wherein the film has a thickness of 5 to 200 μ m, has an average pore size A^1 of [[0.7]] $\underline{0.1}$ to 10 μ m at one surface, an average pore size A^2 of [[0.7]] $\underline{0.1}$ to 10 μ m at the other surface, an average porosity C^1 of from 50% to 80% 48% or more at one surface, and an average porosity C^2 of from 50% to 80% 48% or more at the other surface,

wherein the ratio A^1/A^2 of A^1 to A^2 is in the range of 0.6 to 1.5,

wherein the ratio C^1/C^2 of C^1 to C^2 is in the range of 0.7 to 1.5,

wherein a maximum surface pore size is 15 μ m or less; a maximum inside pore size is 5.1- μ m or less; the average inside porosity D is from 45% to 80%; the ratio C/D of C to D is in the range of 0.7 to 1.5, and the ratio C¹/C² of C¹ to C² is in the range of 0.7 to 1.5,

wherein a polymer component forming the film comprises at least one selected from a group of amide-imide polymers, imide polymers, polyethersulfones, polysulfones, acrylic polymers or cellulose acetate,

wherein a Gurley permeability of the porous film is from 0.2 to 29 seconds per 100 cc, and

wherein the porous film is produced in a method comprising the steps of casting a polymer solution comprising a polymer onto a substrate to form a film; and subjecting the film to phase conversion to thereby form a porous film, wherein the polymer constituting the porous

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film has a surface tension Sa [mN/m], wherein the substrate has a surface tension Sb [mN/m], and wherein Sa and Sb satisfy the following condition: Sa-Sb≥-10.

6. (Previously presented) The porous film according to claim 4, wherein the Gurley permeability of the porous film is from 1 to 25 seconds per 100 cc.

7. (Previously presented) The porous film according to claim 4, wherein the Gurley permeability of the porous film is from 1 to 18 seconds per 100 cc.

8. (Previously presented) The porous film according to claim 5, wherein the Gurley permeability of the porous film is from 1 to 25 seconds per 100 cc.

9. (Previously presented) The porous film according to claim 5, wherein the Gurley permeability of the porous film is from 1 to 18 seconds per 100 cc.

10-19. (Cancelled).

20. (New) The porous film according to claim 4, wherein the film has an average porosity C¹ of from 60% to 80% at one surface and an average porosity C² of from 60% to 80% at the other surface.

21. (New) The porous film according to claim 5, wherein the film has an average porosity C^1 of from 60% to 80% at one surface, and an average porosity C^2 of from 60% to 80% at the other surface.